wouxun®

Professional Two-way Radio Manufacturer

Quanzhou WOUXUN Electronics CO.,LTD
Add.: #38 Yuantai 1st Road, Jiangnan High Technology
Industry Park, Licheng District, Quanzhou 362000,
Fujian, China
Http://www.wouxun.com
MADE IN CHINA

CE FC RoHS REACH

ISO9001:2015
Certificate No.:00121Q36795R5M/5100

ISO14001:2015
Certificate No.:00121E32879R4M/5100

---

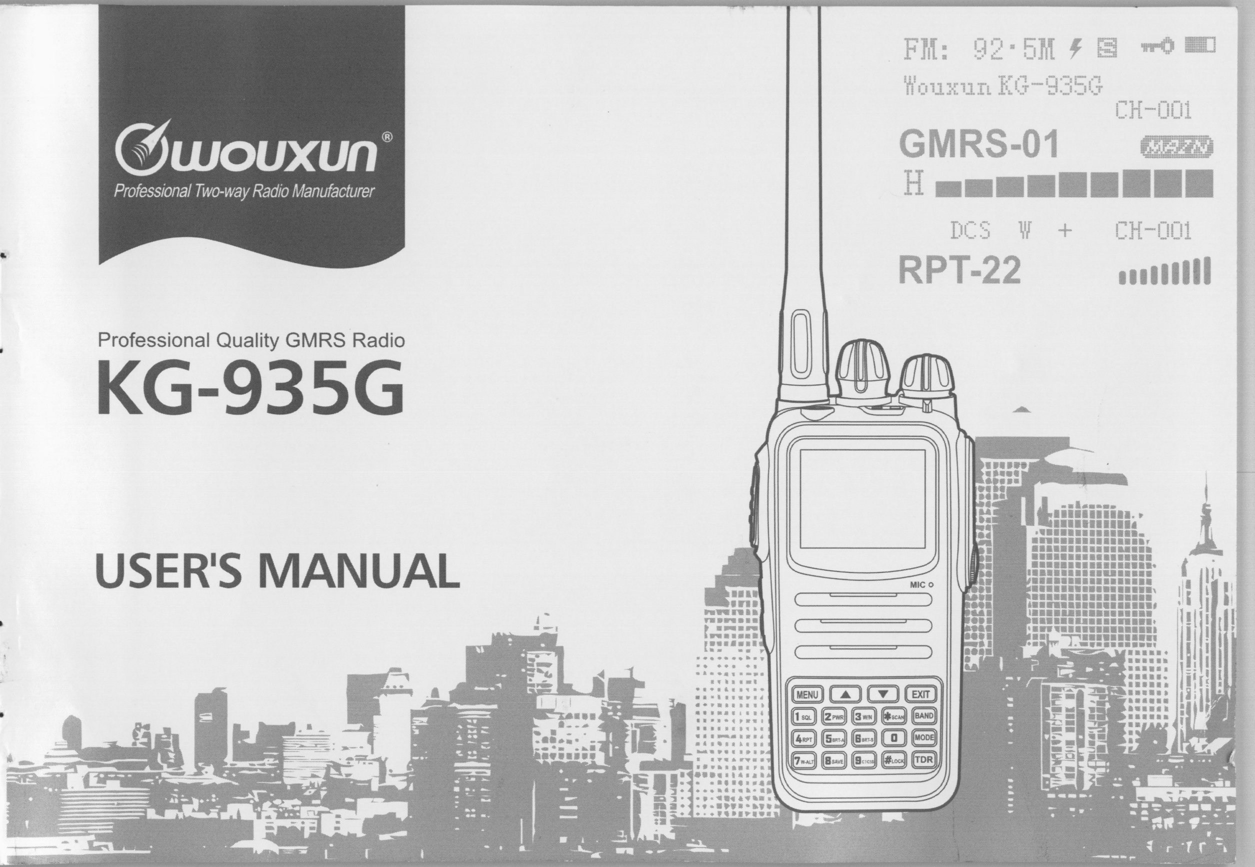
wouxun®

Professional Two-way Radio Manufacturer

Professional Quality GMRS Radio

KG-935G

USER'S MANUAL


FM: 92·5M
Wouxun KG-935G
CH-001
GMRS-01
MAIN
H
DCS W + CH-001
RPT-22
MIC
MENU
EXIT
BAND
MODE
TDR
0

MEMO

Thank you for purchasing the Wouxun KG-935G portable GMRS radio.

Your feedback makes our products better. Please share your thoughts.

feedback@buytwowayradios.com
www.buytwowayradios.com

Contents

Safety Information 9
FCC Licensing Information 12
Getting Started 13
Feature Summary 13
Front Panel Guide 15
Right / Left Side Guide 16
Display Guide 17
Dust and Water Protection 18
Installing and Removing the Battery 19
Charging the Battery 20
Antenna Information 21
Installing the Belt Clip 21
Operation 22
Introducing GMRS and the KG-935G 22

Warranty Registration

transferable.

THIS LIMITED WARRANTY IS THE ENTIRE WARRANTY FOR THIS PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF ANY DAMAGES, INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES RELATED TO THE USE OF THIS PRODUCT. Some states do not allow this exclusion or limitation of damages so the above limitation or exclusion may not apply to you. This warranty is valid only within the United States of America.

Note: Product features, specifications and warranty terms are subject to revision by the manufacturer without notice. We are not responsible for unintentional errors or omissions on product packaging.

Power On/Off and Adjusting Volume 23
Your First Transmit 23
Dual Display: Using Areas “A” and “B” 25
Channel and Frequency Modes 27
Channels and Privacy Codes 29
Using the Repeater Channels 29
Channel Scan 32
Key Lock 35
Stopwatch Timer 35
NOAA Weather Mode 36
Keypad Hotkeys 38
Keypad Function Keys 40
Side Key Functions 41
Menu Functions 48

[01: SQL] Squelch....48
[02: TX-POWER] Output Power....48
[03: W/N] Bandwidth....49
[04: REPEATER] Repeater....49
[05: BRT-ACTV] Active Backlight....49
[06: BRT-STBY] Standby Backlight....50
[07: WX-ALERT] Weather Alert....50
[08: BAT-SAVER] Battery Saver....51
[09: RX-CTCSS] Receive CTCSS Tone....51
[10: TX-CTCSS] Transmit CTCSS Tone....51
[11: RX-DCS] Receive DCS Code....52
[12: TX-DCS] Transmit DCS Code....52
[13: THEME] LCD Mode....52
[14: BACKLIGHT] Backlight Timeout....53

Limited Warranty

We warrant this product against defects in material and workmanship as follows:

Radio and its original primary components for a period of one (1) year from date of purchase.

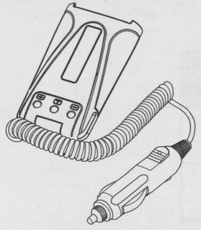
Accessories (including battery, charger, belt clip, antenna and adapter) for a period of six (6) months from date of purchase.

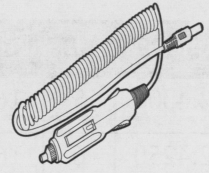
This warranty is limited to the repair and replacement of the defective components and is not valid if the radio has been tampered with, misused, abused, used with unapproved accessories, subjected to unauthorized disassembly, unauthorized repair, replacement of unauthorized parts, unavoidable conditions, human destruction, water damage or environmental damage. This warranty is void if the serial number is defaced or altered.

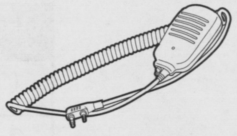
If service, repair or replacement is required within the warranty period, such repair or replacement will be made free of charge by the dealer through whom the equipment was purchased. If the owner requires any service or repair from any dealer through whom the equipment was not purchased, the cost of repair must be made by the owner.

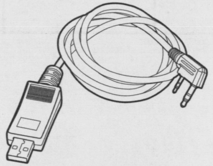
This warranty is valid for the original purchaser or owner of the product and is not

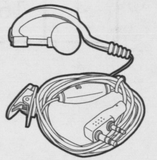
Optional Accessories


Eliminator


Car charger


Speaker/Mic


USB programming cable


Headset

Shop Wouxun Accessories:

www.buytwowayradios.com/accessories/by-radio-brand/wouxun-radio-accessories.html

[15: SCAN-MODE] Scan Mode 53
[16: SCANGRP-A] Scan Group A 54
[17: SCANGRP-B] Scan Group B 54
[18: PRI-SCAN] Priority Scan 54
[19: PRI-CH] Priority Channel 55
[20: SCAN-ADD] Scan Add / Delete 55
[21: TONE-SCAN] CTCSS/DCS Scanning 55
[22: TONE-SAVE] CTCSS/DCS Tone Save Options 56
[23: STEP] Frequency Step 56
[24: ROGER] Roger Beep 57
[25: TOT] Transmit Overtime Timer 57
[26: TOA] Transmit Overtime Alarm 58
[27: VOX] Voice Activated Transmit 58
[28: VOICE] Voice Guide 58

[29: BEEP] Button Beeps....59
[30: BUSY-LOCK] Busy Channel Lockout....59
[31: PF1-SHORT] Side Key PF1 Short Press Assignment....59
[32: PF1-LONG] Side Key PF1 Long Press Assignment....60
[33: PF2-SHORT] Side Key PF2 Short Press Assignment....60
[34: PF2-LONG] Side Key PF2 Long Press Assignment....61
[35: SMUTESET] Secondary Area Mute Setting....61
[36: WORK-MODE] Work Mode....62
[37: CH-NAME] Channel Name....62
[38: CH-ADD] Add Memory Channel....63
[39: CH-DELETE] Delete Memory Channel....63
[40: DESCRAMBL] Descrambler....63
[41: COMPANDER] Compander....64
[42: SP-MUTE] Speaker Mute....64

NOAA Weather Channels

Ch.	Frequency	Ch.	Frequency
1	162.4000	5	162.5000
2	162.4250	6	162.5250
3	162.4500	7	162.5500
4	162.4750		

Repeater Channels

Ch.	Name	Receive Frequency	Transmit Frequency	Max Power
023	RPT-15	462.5500	467.5500	HIGH
024	RPT-16	462.5750	467.5750	HIGH
025	RPT-17	462.6000	467.6000	HIGH
026	RPT-18	462.6250	467.6250	HIGH
027	RPT-19	462.6500	467.6500	HIGH
028	RPT-20	462.6750	467.6750	HIGH
029	RPT-21	462.7000	467.7000	HIGH
030	RPT-22	462.7250	467.7250	HIGH

KG-935G Maximum Power levels: L=0.05W / M=4.5W / H=5.5W
Note: Power levels are approximate.

[43: ANI-SW] ANI-SW 65
[44: ANI-EDIT] ANI-EDIT....65
[45: SIDETONE] Sidetone Setting 65
[46: ALERT] Tone Alert....66
[47: PTT-DELAY] PTT-Delay....66
[48: PTT-ID] PTT-ID....67
[49: RING] Ring Time 67
[50: CALLCODE] Call Code 67
[51: RPT-TONE] Repeater Tone 68
[52: TIMER] Stopwatch Timer 68
[53: AUTOLOCK] Auto Lock 68
[54: PONMSG] Power On Message....69
[55: RADIO-MEM] FM Radio Memory 69
[56: RESET] Factory Reset....70

Advanced Operation **71**
DTMF Encoding 71
Setting Non-Standard CTCSS or DCS 72
Troubleshooting **75**
Technical Information **77**
Specifications 77
Standard CTCSS and DCS Tones 79
Default GMRS Channels and Frequencies 81
NOAA Weather Channels 83
Optional Accessories **84**
Limited Warranty **85**

Default GMRS Channels and Frequencies

Simplex Channels

Ch.	Name	Frequency	Power
001	GMRS-01	462.5625	M
002	GMRS-02	462.5875	M
003	GMRS-03	462.6125	M
004	GMRS-04	462.6375	M
005	GMRS-05	462.6625	M
006	GMRS-06	462.6875	M
007	GMRS-07	462.7125	M
008	GMRS-08	467.5625	L
009	GMRS-09	467.5875	L
010	GMRS-10	467.6125	L
011	GMRS-11	467.6375	L

Ch.	Name	Frequency	Power
012	GMRS-12	467.6625	L
013	GMRS-13	467.6875	L
014	GMRS-14	467.7125	L
015	GMRS-15	462.5500	H
016	GMRS-16	462.5750	H
017	GMRS-17	462.6000	H
018	GMRS-18	462.6250	H
019	GMRS-19	462.6500	H
020	GMRS-20	462.6750	H
021	GMRS-21	462.7000	H
022	GMRS-22	462.7250	H

Receiver	***Wide Band***	***Narrow Band***
Adjacent Channel Selectivity	≤70dB	≤60dB
Inter-modulation	≤65dB	≤60dB
Spurious Response	≤70dB	≤70dB
Audio Response	+1~3dB (0.3~3KHz)	+1~3dB (0.3~2.55KHz)
Audio Distortion	≤5%	
Output Power	≤500mW	
Sensitivity	UHF/VHF : 0.25μV (12dB SINAD)	

Transmitter	***Wide Band***	***Narrow Band***
Modulation	16K F3E	11K F3E
Adjacent Channel Power	≥70dB	≥60dB
Spurious	≥60dB	≥60dB
Audio Response	+1~3dB (0.3~3KHz)	+1~3dB (0.3~2.55KHz)
Max Frequency Offset	±5KHz	±2.5KHz
Frequency Stability	±2.5ppm	
Audio Distortion	≤5%	

Caution

Please read this manual before using the radio, as it includes important instructions for the safe handling, use and operation of your radio.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND US FEDERAL LAW.

Radio Operation and EME Exposure

Use only an antenna designed for use with this radio and its operating frequencies. Unauthorized modifications or attachments may damage the radio and violate FCC rules.

DO NOT hold the antenna while the radio is in use.

DO NOT attempt to use the radio with a damaged antenna.

FCC Licensing Information

The Wouxun KG-935G is FCC Part 95E type accepted for use on the GMRS. The KG-935G operates on General Mobile Radio Service (GMRS) frequencies according to the Federal Communications Commission (FCC) Rules in the United States. As such, a GMRS license is required to transmit on these frequencies. To obtain an FCC license for the GMRS, please go to the FCC's web site and complete the online application or request FCC Form 605.

Specifications

Entire Radio	
Frequency Range	RX: 400-470 MHz (UHF) RX: 136-174 MHz (VHF) TX: GMRS Frequencies
Memory Channels	999
Work Mode	F2D / F3E
Work Temperature	-20°C~40°C / -4°F~104°F
Antenna Impedance	50Ω
Power Supply	7.4VDC
Weight	17.28oz / 490g
Size	4.9 × 2.42 × 1.33 (in) / 124.5 × 61.49 × 33.88 (mm)

Problem	Solution
Cannot power on	■ Check that the battery pack is attached correctly. ■ Check that the battery pack is fully charged.
Battery life lower than expected	■ Be sure the charger indicates the battery is fully charged. ■ The battery pack capacity will naturally diminish over a number of charge cycles. This is the case with all lithium batteries.

Feature Summary

- 30 GMRS Channels
- 8 Built-In GMRS Repeater Channels
- Up to 5.5 Watts Output Power
- IP66 Waterproof
- 7 NOAA Weather Channels
- NOAA Weather Alerts
- Tune Specific Frequencies Directly (Frequency Mode)
- Simultaneous Dual Channel Receive
- Full Color Dual Channel Display
- 4 Display Color Themes
- High/Med/Low Power Selectable
- Wide/Narrow Bandwidth Selectable
- Up to 999 Custom Channels
- Standard and Non-Std CTCSS/DCS
- Split CTCSS/DCS Tone Support
- CTCSS/DCS Tone Scan
- Channel Scan
- Priority Channel Scanning
- Scan Group Support
- Display Channel Name, Number, or Frequency
- Incoming Caller ID Display
- Voltage Display
- Compander
- Descrambler
- DTMF Encode/Decode
- Group Call/All Call/Select Call

Getting Started

- Receive (RX) Frequency Range:
  136-174.995 MHz
  400-479.995 MHz
- Transmit (TX) Frequency Range:
  462.550-462.725MHz (GMRS Channels 1-7 and 15-22)
  467.550-467.725MHz (GMRS Channels 8-14 & Repeater 23-30)
- FM Radio Mode
- Stopwatch Timer
- English Voice Guide
- Built-in Flashlight
- 2 Configurable Side Keys
- PC Programming Software Support

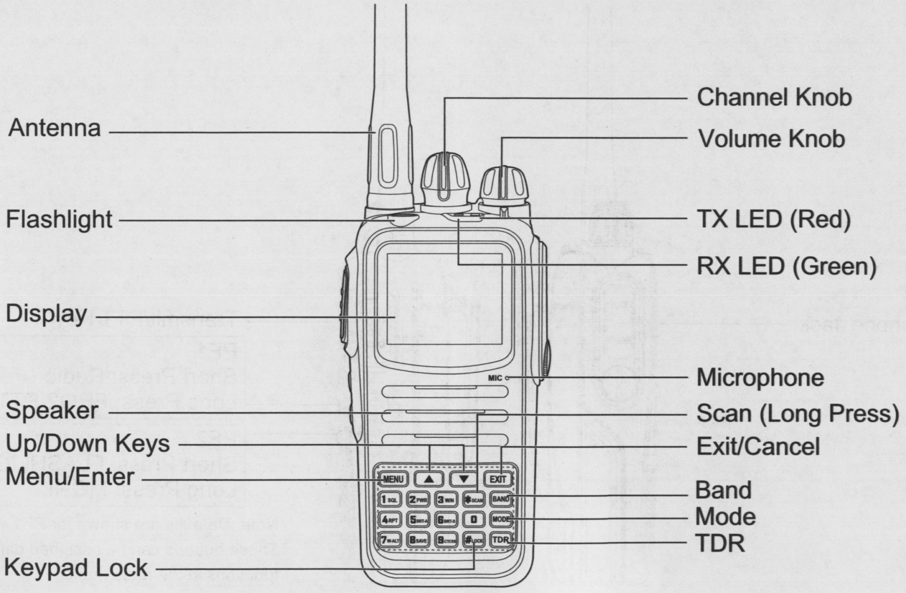
Troubleshooting

Before assuming your KG-935G is defective, please check the following list of possible problems and solutions. The RESET option provided in the menu can be used to restore factory standard settings and programming, and will often solve issues.

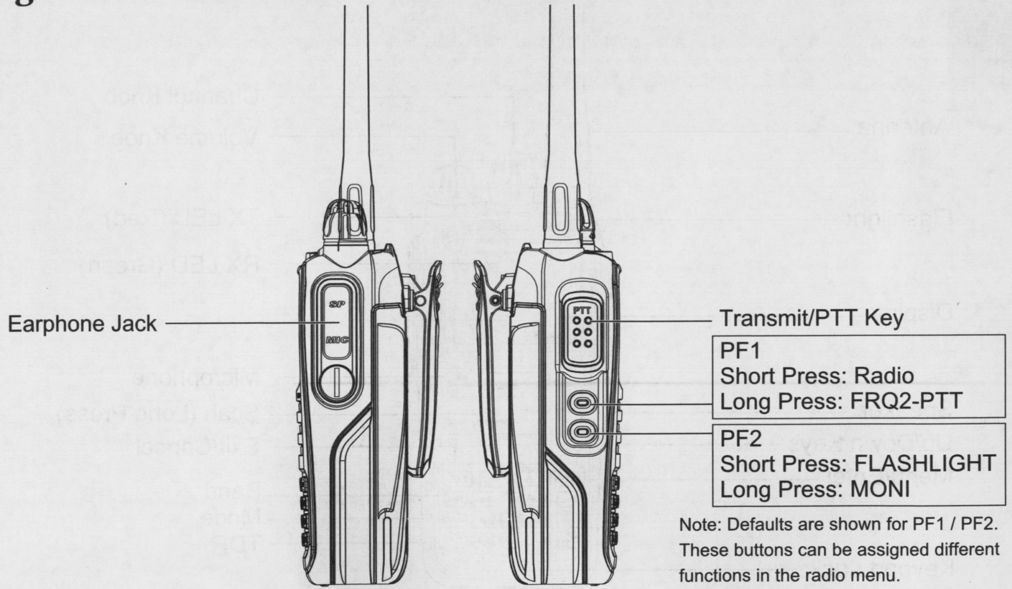
Problem	Solution
Receive indicator is on but no sound is heard.	■ Check volume level. ■ Disable CTCSS/DCS or be sure setting matches incoming transmission. ■ Check squelch settings.
Keypad is unresponsive	■ Check if keypad has been locked. ■ Check if other keys are currently pressed
Unwanted interference is being received	■ Enable CTCSS or DCS tone to filter out unwanted transmissions. ■ Use a different channel
Transceiver transmits without PTT being pressed	Check if the VOX hands-free mode is active. If intentionally using VOX mode, adjust the sensitivity level.

screen will display D105I. Press [MENU] to confirm, and then press [EXIT] to return to standby.

Front Panel Guide


Antenna
Channel Knob
Volume Knob
Flashlight
TX LED (Red)
RX LED (Green)
Display
MIC
Microphone
Speaker
Scan (Long Press)
Up/Down Keys
Exit/Cancel
Menu/Enter
MENU
EXIT
Band
Mode
TDR
Keypad Lock

Right / Left Side Guide


Earphone Jack
Transmit/PTT Key
PF1
Short Press: Radio
Long Press: FRQ2-PTT
PF2
Short Press: FLASHLIGHT
Long Press: MONI

Note: Defaults are shown for PF1 / PF2. These buttons can be assigned different functions in the radio menu.

---

code.

After setting a non-standard DCS code, press the [LOCK] key to set it as a Positive or Negative code, or press the [SCAN] key to select OFF.

After selecting the DCS menu setting (RX-DCS or TX-DCS), enter the desired DCS code from the keypad on the hand microphone, press [LOCK] to select the Positive or Negative code, and then press MENU to confirm.

Example 1: Set the receive DCS as D105N

In standby, press [MENU] + [2] + [6] and the screen will display: RX-DCS. Press [MENU] and input [1] + [0] + [5], then press [LOCK] to select the Positive code. The screen will display D105N. Press [MENU] to confirm, and then press [LOCK] to return to standby.

Example 2: Set the receive DCS as D105I

In standby, press [MENU] + [2] + [6] and the screen will display: RX-DCS. Press [MENU] and input [1] + [0] + [5], then press [LOCK] to select the Negative code. The

Setting Non-Standard CTCSS or DCS

How to Set Non-Standard CTCSS

The KG-935G supports non-standard CTCSS codes in the range of 65.0-255.0Hz with a minimum spacing of 0.1Hz.

After selecting the CTCSS menu setting (RX-CTC or TX-CTC), enter the desired CTCSS code via the keyboard and then press [MENU] to confirm.

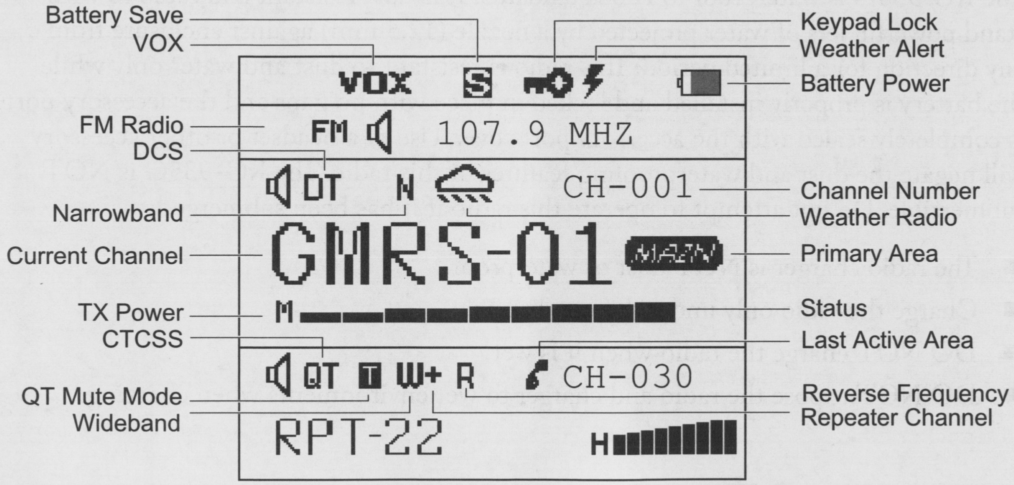
For example, to set the receiving CTCSS tone to 100.5Hz:

In standby, press [MENU] + [2] + [5], the screen will display: RX-CTC, press MENU, and input [1] + [0] + [0] + [5], then press [MENU] to confirm, and [EXIT] to return to standby.

How to Set Non-Standard DCS

The KG-935G supports non-standard DCS codes ranging from 000-766, except any code with the digit 8 or 9. For example, 680.719 is not a legitimate non-standard DCS

Display Guide


Battery Save
VOX
FM Radio
DCS
Narrowband
Current Channel
TX Power
CTCSS
QT Mute Mode
Wideband
Keypad Lock
Weather Alert
Battery Power
Channel Number
Weather Radio
Primary Area
Status
Last Active Area
Reverse Frequency
Repeater Channel
VOX
S
FM
107.9 MHZ
DT
N
CH-001
GMRS-01
MAIN
M
QT
T
W+
R
CH-030
RPT-22
H

Dust and Water Protection

The KG-935G is waterproof to IP66 standards. It is dust resistant and rated to withstand powerful jets of water projected by a nozzle (12.5 mm) against enclosure from any direction for a limited period. This radio is resistant to dust and water only while the battery is properly installed and locked in place with no gaps and the accessory port is completely sealed with the accessory port cover. Use of a headset or other accessory will negate the dust and waterproofing features of this radio. The KG-935G is NOT submersible. Do not attempt to operate this radio if it has been submerged.

- The radio charger is NOT dust or waterproof.
- Charge the radio only under dry conditions.
- DO NOT charge the radio when it is wet.
- DO NOT expose the radio and charger to wet environments when charging.

DTMF Encoding

The KG-935G features dual-tone multi-frequency (DTMF) encoding. The number keypad on the radio corresponds to DTMF codes as follows:

MENU	▲	▼	EXIT	
1 SQL	2 PWR	3 W/N	* SCAN	BAND
4 RPT	5 BRT-A	6 BRT-S	0	MODE
7 W-ALT	8 SAVE	9 CTCSS	# LOCK	TDR

→

A	B	C	D	
1	2	3	*	
4	5	6	0	
7	8	9	#	

Usage:

While pressing the [PTT] key to transmit, press the key on the keypad that corresponds to the DTMF tone that you wish to send.

Technical Information

DCS codes ending in *N* are positive. Negative DCS codes end in *I*. The KG-935G includes 105 positive and 105 negative codes.

DCS													
1	D023N	16	D074N	31	D165N	46	D261N	61	D356N	76	D462N	91	D627N
2	D025N	17	D114N	32	D172N	47	D263N	62	D364N	77	D464N	92	D631N
3	D026N	18	D115N	33	D174N	48	D265N	63	D365N	78	D465N	93	D632N
4	D031N	19	D116N	34	D205N	49	D266N	64	D371N	79	D466N	94	D645N
5	D032N	20	D122N	35	D212N	50	D271N	65	D411N	80	D503N	95	D654N
6	D036N	21	D125N	36	D223N	51	D274N	66	D412N	81	D506N	96	D662N
7	D043N	22	D131N	37	D225N	52	D306N	67	D413N	82	D516N	97	D664N
8	D047N	23	D132N	38	D226N	53	D311N	68	D423N	83	D523N	98	D703N
9	D051N	24	D134N	39	D243N	54	D315N	69	D431N	84	D526N	99	D712N
10	D053N	25	D143N	40	D244N	55	D325N	70	D432N	85	D532N	100	D723N
11	D054N	26	D145N	41	D245N	56	D331N	71	D445N	86	D546N	101	D731N
12	D065N	27	D152N	42	D246N	57	D332N	72	D446N	87	D565N	102	D732N
13	D071N	28	D155N	43	D251N	58	D343N	73	D452N	88	D606N	103	D734N
14	D072N	29	D156N	44	D252N	59	D346N	74	D454N	89	D612N	104	D743N
15	D073N	30	D162N	45	D255N	60	D351N	75	D455N	90	D624N	105	D754N

Safety Information

The KG-935G is an electrical apparatus, as well as a generator of RF (Radio Frequency) energy, and you should exercise all safety precautions as are appropriate for this type of device.

Please read the suggestions and warnings below before using the transceiver.

⚠ Keep the transceiver and accessories out of the reach of children.

⚠ Do not disassemble the transceiver.

⚠ Only use the supplied battery pack and charger or genuine Wouxun branded replacements purchased from an authorized dealer. Using improper batteries and charging accessories can damage the transceiver.

⚠ The supplied antenna is tuned for the frequencies supported by this transceiver. Using an aftermarket antenna can damage the transceiver.

⚠ Do not leave the transceiver exposed to direct sunlight or in overheated areas for an extended period of time.

⚠ Keep the transceiver away from dusty or humid areas.

⚠ The transceiver should be cleaned with mild detergents and a soft brush or cloth. Avoid cleaning with aggressive chemicals.

⚠ NEVER transmit without a properly connected antenna.

⚠ If an abnormal odor or smoke is detected from the transceiver, power it off immediately, then remove the battery pack. Contact your dealer for further assistance.

Notice

- These tips are important for safe operation of your KG-935G radio and its accessories. If the transceiver does not function normally, please get in touch with your dealer immediately.
- If you use components or accessories not produced by the Wouxun Company, Wouxun will not guarantee the safety and usability of the transceiver.

Standard CTCSS and DCS Tones

The following is a list of the standard CTCSS and DCS tones supported by the KG-935G. Many FRS or GMRS radios display a number instead of a specific tone. The number to the left of the tone matches what is used by most manufacturers.

CTCSS

1	67.0	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100.0	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77.0	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91 5	20	127 3.	30	167.9	40	199.5	50	254.1

activate the radio storage function. Press the [UP] and [DOWN] keys to choose MEMORY. Use the channel knob or the [UP] and [DOWN] keys to select an open memory channel, then press [MENU] to confirm. To Recall a station, press [MENU] to activate the radio storage function. Press the [UP] and [DOWN] keys to choose RECALL. Use the channel knob or the [UP] and [DOWN] keys to select a memory channel to recall, then press [MENU] to confirm.

[56: RESET] Factory Reset

Function: Resets the transceiver to factory defaults.
Options: VFO/ALL
Default: VFO
VFO: Resets function settings to factory defaults but retains channel parameters.
ALL: Resets all of the function settings and channel parameters to factory defaults.

Installing and Removing the Battery

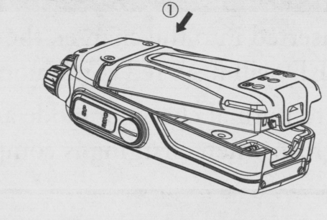
The lithium-ion battery pack included with the radio is not fully charged out of the box. It is recommended to charge it before using the radio for the first time.

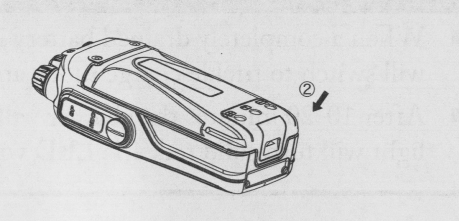
Installing the Battery

Slide the battery pack up along the back of the radio until it stops. Then push the bottom of the battery towards the radio until it clicks into place.

Removing the Battery

Slide the release latch at the bottom of the battery pack in the direction of the arrow. While holding the release latch in place, pull the battery pack away from the radio.





Charging the Battery

The KG-935G includes an intelligent desktop charger. It can charge the battery pack with or without the radio attached.

1. Insert the AC plug into an available 100~240v outlet. The LED light on the charger base will flash red for 2-3 seconds. This indicates the charger is in standby mode.

2. Insert the battery or radio with the battery attached into the charger. The LED light on the charger will turn red to indicate the battery is charging.

3. When the LED light on the charger turns green, charging is complete.

Note

- When a completely drained battery is first inserted into the charger, the charger will switch to trickle charge mode and the LED will flash red continuously.
- After 10-20 minutes the charger will switch to normal charging mode and the light will turn solid red. The LED will turn green when charging is complete.

Options: OFF/ON
Default: OFF
Note: To unlock the radio, hold the [#LOCK] key for 2 seconds.

[54: PONMSG] Power On Message

Function: Select the item displayed when the radio is powered on.
Options: BITMAP/BATT-V
Default: BITMAP
BITMAP: Wouxun logo
BATT-V: Battery voltage

[55: RADIO-MEM] FM Radio Memory

Function: Save up to 20 FM radio stations into memory.
Options: MEMORY/RECALL
Default: MEMORY
Note: To access the FM Radio, Press [PF1] on the side of the radio. To store an FM radio station, press [SCAN] to scan and stations. Once the desired station is found, press [MENU], go to RADIO-MEM and press [MENU] to

Selectable: 1-20 Groups
Default: None

[51: RPT-TONE] Squelch Tone

Function: Enables or disables the squelch tail sent to the receiving radio at the end of a transmission.
Options: OFF/ON
Default: ON

[52: TIMER] Stopwatch Timer

Function: Activates the radio's stopwatch feature. If ON, activate the stopwatch by short pressing [#LOCK] in standby mode.
Options: ON/OFF
Default: OFF
Default: ALL

[53: AUTOLOCK] Auto Lock

Function: Automatically locks the keypad after 15 seconds.

Antenna Information

The KG-935G includes an antenna with an SMA female connector that is tuned for the GMRS frequency range of your radio. Aftermarket antennas may be used, provided they are tuned for the GMRS.

Warning: To avoid injury, DO NOT attempt to operate your radio if the antenna is damaged or defective.

DO NOT attempt to operate your radio without an antenna connected to the radio. Transmitting without an antenna or a correctly tuned antenna directly and properly connected to the radio may damage the radio and void the warranty.

Installing the Belt Clip

The belt clip attaches to the back of the radio with the two supplied screws. To install the belt clip, press it against the back of the unit and line up the screw holes. Insert each screw one at a time and tighten until there is no further resistance and the belt clip is firmly attached to the radio. Do not overtighten the screws.

Introducing GMRS and the KG-935G

The General Mobile Radio Service (GMRS) is a two way radio service that offers some powerful benefits. Users are allowed to transmit at high power, up to 50 watts, and use advanced equipment, such as repeaters that enable you to transmit over large areas. The GMRS requires the user to purchase a license, and a single license covers the user and their extended family for 10 years.

The KG-935G was designed to allow you to take advantage of all that GMRS has to offer and more. Right out of the box this radio is configured to allow you to transmit on the 15 high powered GMRS simplex channels and 8 low powered simplex channels, as well as the 8 repeater channels.

Read this chapter to learn the basics of using your new KG-935G radio, such as selecting a channel, transmitting and receiving, and scanning.

[48: PTT-ID] PTT-ID

Function: Choose whether to transmit the ID at the beginning or end of transmission.
Options: BOT/EOT/BOTH
Default: BOT
BOT: Beginning of transmission
EOT: End of transmission
BOTH: Beginning and end of transmission

[49: RING] Ring Time

Function: Specifies the length of time to prompt when DTMF signals have been decoded.
Selectable: OFF/1S-10S
Default: 3S

[50: CALLCODE] Call Code

Function: Sets Selective Group Call codes. Selective Call Codes 3 to 6 digits. Call Codes can be set up through the programming software.

DTMF: Activates keypad sidetone
ANI: Activates Caller ID sidetone
DTMF+ANI: Activates both keypad and Caller ID sidetones

[46: ALERT] Tone Alert

Function: Activates the tone alert. Some relay systems used for single-tone pulse transmissions need a single-tone pulse signal to activate.
Options: 1750Hz/2100Hz/1000Hz/1450Hz
Default: 1750Hz
Special Reminder: When in transmit mode, you can send the single-tone pulse frequency you've selected by pressing the [PF2] key on the side of the radio.

[47: PTT-DELAY] PTT-Delay

Function: Delays transmission of the Caller ID code for a specified time. This delay time can be set to one of 30 levels in 100ms increments.
Options: 100~3000ms
Default: 300ms

Power On/Off and Adjusting Volume

Rotate the volume knob clockwise to power on the radio. To power off the radio, rotate the volume knob counter-clockwise until a click is felt.

To adjust the volume, use the volume knob when the radio is powered on. Turning the knob clockwise increases the volume, counter-clockwise decreases it.

Your First Transmit

Selecting a Channel

When you power on your KG-935G for the first time, the display will likely show "GMRS-01" in the center with "CH-001" in the upper right corner. GMRS-01 is the name of the currently selected channel. CH-001 is the channel number. Turn the Channel Knob or the [UP] / [DOWN] arrow keys to navigate through the list of channels.

As a licensed GMRS user you are allowed to use any of the channels. The channel you choose isn't as important as making sure it's the same channel the rest of your group is using. Be sure the channel you select is also supported by the equipment everyone else in your group is using.

Most rules for GMRS are the same for all channels, but there are a few differences, particularly concerning output power. The GMRS channels on the KG-935G consist of 4 groups, with the following differences:

- Transmitting on GMRS channels 1-7 is limited to 5 watts of output power. These channels can only transmit at up to Mid power on the KG-935G.
- Transmitting on channels 8-14 is limited to a half watt of output power and is for use on Low power only. Prior to FCC changes made in 2017, these channels were part of the FRS service only and were not available for GMRS.
- Transmitting on channels 15-22 is allowed at High power on the KG-935G. These channels are authorized for up to 50 watts of output power. Prior to FCC changes made in 2017, this group was exclusive to GMRS (not part of FRS).
- Channels 23-30 receive on the same frequencies as channels 15-22, but transmit on a special offset frequency set aside for repeaters. See page 29 for more informa-

the radio will activate the speaker.

[43: ANI-SW] ANI-SW

Function: When activated, the radio will transmit the 3-6 digit Caller ID specified in menu option 44.
Options: ON/OFF
Default: OFF

[44: ANI-EDIT] ANI-EDIT

Function: Sets the Caller ID. The caller ID is composed of numbers 0-9. The first digit cannot be 0. ID numbers must be at least 3 digits and a maximum of 6 digits.
Options: 0-9
Default: 101

[45: SIDETONE] Sidetone Setting

Function: Actvates the Caller ID and keypad sidetone during transmission.
Options: OFF/DTMF/ANI/DTMF+ANI
Default: DTMF

using one of 8 supported protocols.
Options: OFF/SCRAM 1-8
Default: OFF

[41: COMPANDER] Compander

Function: The compander minimizes noise. Useful when transmitting over long distances.
Options: ON/OFF
Default: OFF

[42: SP-MUTE] Speaker Mute

Function: Speaker Mute settings
Options: QT/QT+DTMF/QT*DTMF
Default: QT
QT: All signals on the same CTCSS tone/DCS code will activate the speaker
QT+DTMF: Only those signals which include both the same CTCSS/DCS and dual-tone multi-frequency (DTMF) signal as the radio will activate the speaker.
QT*DTMF: Only those signals which have either the same QT or DTMF codes as

tion about using the KG-935G with repeaters.

Transmitting and Receiving

With a channel selected, the radio is actively "listening" for an incoming signal on that channel. When a signal is detected, the transmission will be heard through the radio's speaker. Please note, the Squelch setting (page 48) determines how strong a signal needs to be in order to be detected.

To transmit, first be sure the channel is clear and then hold the radio a few inches from your mouth. Hold down the PTT button on the side while talking and release the PTT when finished.

For best performance and clarity of transmission, position the radio upright with the front of the radio facing you, hold it several inches away from your mouth and speak directly into the microphone during transmission.

Dual Display: Using Areas "A" and "B"

The KG-935G is two radios in one! The dual display function allows you to monitor two channels at the same time. While this may sound complex, the KG-935G is designed to make this powerful feature easy to use.

The display is divided in half with the top half referred to as "Area A" and the bottom half referred to as "Area B". Each area controls a separate radio. The current primary area will be larger, occupying about two-thirds of the screen. Depending on the current mode, it may include a MAIN icon to the right of the frequency or channel to indicate which area is primary. When you perform an operation on the radio, such as changing channels or transmitting, that operation is performed on the currently active area.

Turning the Dual Display On and Off

The dual display is off by default on the KG-935G. Instead of a frequency or channel name, the text "KG-935G" will be displayed in the inactive area when the dual display is off. Use the [TDR] key on the keypad to toggle between a single and dual display.

Changing the Primary Area

With Dual Display on, press the [BAND] key on the keypad to switch the primary area.

character, then press the [DOWN] key to move to the next position. When you finish editing the name, press [MENU] to save. This option is only available in Channel Mode.

Options: 8 Characters
Default: None

[38: CH-ADD] Add Memory Channel

Function: Adds a channel to the memory channel list.
Options: None
Default: None

[39: CH-DELETE] Delete Memory Channel

Function: Deletes a channel from the memory channel list.
Options: None
Default: None

[40: DESCRAMBL] Descrambler

Function: Activating this function will descramble incoming signals that are scrambled the Master area.

[36: WORK-MODE] Work Mode

Function: Changes the working mode of the radio. This is equivalent to pressing the [MODE] button on the keypad.
Options: CH-NAME/FREQUENCY/CH-NUMBER/CH-FREQ
Default: CH-NAME
CH-NAME: Channel Mode. Displays the channel name (Example: GMRS-01)
FREQUENCY: Frequency Mode. Allows directly tuning any frequency in the wide receive range of the KG-935G. The radio transmits on GMRS frequencies only.
CH-NUMBER: Channel Mode. Displays the channel number (Example: CH-001)
CH-FREQ: Channel Mode. Displays the channel frequency (Example: 462.56250)

[37: CH-NAME] Channel Name

Function: Allows you to edit the name for the currently active channel. To edit a channel name, press [MENU] and choose the CH-NAME option. the name of the current channel will be in edit mode and the first character will flash to indicate it is currently being edited. Press the [UP] key to select the desired

With Dual Display off, pressing the [BAND] key will switch the currently active area as well, but will also turn off the previously active area. For example, with Area "A" on and Area "B" off, pressing [BAND] would turn on Area "B" and turn off Area "A".

Important!

When the A or B area of the screen is the larger, dominate area, this indicates that area is the Primary and the other area is the secondary side. In Channel Name mode, the Primary area also displays a "MAIN" icon. This is very important, as all of the active operations will be performed on the Primary side.

Channel and Frequency Modes

The KG-935G supports tuning frequencies via two methods: channel and frequency modes.

In channel mode, frequencies that have been saved can be selected from the channel list. This is the default mode and is the most convenient way to access commonly used frequencies. The KG-935G is pre-configured with 30 GMRS channels, but allows users to save custom channels as well (up to 999). In channel mode, turning the Channel/Frequency Knob or pressing an arrow key will tune to the next channel in the list.

Frequency mode (also referred to as VFO mode) allows you to tune directly to a specific frequency regardless of the frequency having been previously saved. In frequency mode, turning the Channel/Frequency Knob or pressing an arrow key will tune to a higher or lower frequency. The STEP menu option (page 56) allows you to adjust the step between each frequency. To enter a frequency directly, type the frequency using the keypad.

The KG-935G supports the following frequency bands:

KG-935G Frequency Bands	
136.000 - 174.995 MHz	400.000 - 479.995 MHz

The KG-935G can only transmit on GMRS frequencies. All other available frequencies entered in Frequency mode or through the programming software are receive only.

[34: PF2-LONG] Side Key PF2 Long Press Assignment

Function: Assigns a function to the [PF2] side key. A function is assigned to a long button press.
Options: UNDEF/BRT/DCS-SCAN/CTC-SCAN/REVERSE/TALK-A/WEATHER/STROBE/MONI/RADIO/SOS/ALARM/FLASHLIGHT/SCAN/SELEC CALL/FRQ2-PTT
Default: MONI

[35: SMUTESET] Secondary Area Mute Setting

Function: The Secondary Mute function mutes the speaker on the secondary area when the primary area is used. This prevents conflicting audio sounds and noise from both sides simultaneously when the radio is in dual receive mode.
Options: OFF/TX/RX/TX+RX
Default: OFF
TX: Mutes the speaker on the Secondary area when transmitting on the Master area.
RX: Mutes the speaker on the Secondary area when receiving on the Master area.
TX+RX: Mutes the speaker on the Secondary area when transmitting or receiving on

Options: UNDEF/BRT/DCS-SCAN/CTC-SCAN/REVERSE/TALK-A/WEATHER/STROBE/MONI/RADIO/SOS/ALARM/FLASHLIGHT/SCAN

Default: RADIO

[32: PF1-LONG] Side Key PF1 Long Press Assignment

Function: Assigns a function to the [PF1] side key. A function is assigned to a long button press.

Options: UNDEF/BRT/DCS-SCAN/CTC-SCAN/REVERSE/TALK-A/WEATHER/STROBE/MONI/RADIO/SOS/ALARM/FLASHLIGHT/SCAN/SELEC CALL/FRQ2-PTT

Default: FRQ2-PTT

[33: PF2-SHORT] Side Key PF2 Short Press Assignment

Function: Assigns a function to the [PF2] side key. A function is assigned to a short button press.

Options: UNDEF/BRT/DCS-SCAN/CTC-SCAN/REVERSE/TALK-A/WEATHER/STROBE/MONI/RADIO/SOS/ALARM/FLASHLIGHT/SCAN

Default: FLASHLIGHT

Channels and Privacy Codes

The KG-935G supports 30 built-in GMRS channels and 155 privacy tones and codes. To successfully communicate between your stations or members of your group, all the connecting radios must be using the same channel and privacy (CTCSS or DCS) code.

The KG-935G supports both standard and non-standard CTCSS tones and DCS codes. These tones and codes can be enabled and configured in the [RX-CTCSS], [RX-DCS], [TX-CTCSS] and [TX-DCS] menu options (pp 51-52). Instructions for entering non-standard tones and codes can be found in the Advanced Operations section of this manual (page 72).

The KG-935G supports 999 customizable memory channels. Channels can be added, deleted or reordered via the PC programming software.

Using the Repeater Channels

The KG-935G is pre-configured with 8 GMRS repeater channels. The channels are named RPT-15 through RPT-22.

What is a Repeater?

In basic terms, a repeater is a device that is used to increase the range of two way radios. Repeaters will receive a transmission on one frequency and simultaneously rebroadcast that transmission on a different frequency. Repeaters are often set up in a fixed location and connected to an antenna that is mounted at a higher elevation to provide better range than is normally available with radio-to-radio (simplex) communications.

Locating a Repeater

Using GMRS repeaters can significantly increase the range of your radio, but just tuning to one of the repeater channels isn't necessarily going to work. You first have to be sure there is a repeater listening on that channel's frequency, and you have to be within range of that repeater.

The best resource for locating GMRS repeaters is the website www.myGMRS.com. This site has an extensive database of GMRS repeaters throughout the United States. It is important to keep in mind that a GMRS repeater is not necessarily intended for public use. They are owned by individuals and are sometimes intended for private use or

Function: Enable or disable voice prompts.
Options: OFF/ON
Default: ON

[29: BEEP] Button Beeps

Function: Enables an audio prompt to alert the operator of a key press, input or fault.
Selectable: ON/OFF
Default: ON

[30: BUSY-LOCK] Busy Channel Lockout

Function: Enabling Busy Channel Lockout prevents the transceiver from transmitting on a selected channel while another station or group is transmitting on it.
Options: ON/OFF
Default: OFF

[31: PF1-SHORT] Side Key PF1 Short Press Assignment

Function: Assigns a function to the [PF1] side key. A function is assigned to a short button press.

[26: TOA] Transmit Overtime Alarm

Function: The Transmit Overtime Alarm warns when the Transmit Overtime Timer (TOT) is about to be exceeded. The red TX indicator LED (top of the radio) flashes to indicate an alarm. The alarm can be set to a maximum time limit of 10 seconds and indicates the amount of time prior to the Transmit Overtime Timer expiring that the warning will begin.
Options: OFF/1S-10S
Default: 5S

[27: VOX] Voice Activated Transmit

Function: The VOX function allows you to transmit without pressing the PTT key. The VOX function will detect that you are speaking into the microphone and then automatically begin transmitting. VOX gain levels of 1-10 are provided to allow you to adjust the voice detection sensitivity.
Options: OFF/1-10 (level)
Default: OFF

[28: VOICE] Voice Guide

require permission to use.

Before connecting to a GMRS repeater, be sure that you have permission or that the owner is fine with public use. The description on the myGMRS website usually indicates if permission is required and provides a way to get in touch with the owner.

KG-935G Repeater Channels

RPT-15 through RPT-22 have the same receive frequency as channels GMRS-15 through GMRS-22. However, the transmit frequency for these channels is assigned to a frequency specifically designated as a GMRS repeater input frequency. The chart below lists the default frequencies for these channels.

Number	Channel	Receive Frequency	Transmit Frequency
CH-023	RPT-15	462.5500	467.5500
CH-024	RPT-16	462.5750	467.5750
CH-025	RPT-17	462.6000	467.6000
CH-026	RPT-18	462.6250	467.6250

Number	Channel	Receive Frequency	Transmit Frequency
CH-027	RPT-19	462.6500	467.6500
CH-028	RPT-20	462.6750	467.6750
CH-029	RPT-21	462.7000	467.7000
CH-030	RPT-22	462.7250	467.7250

Accessing a Repeater in Frequency Mode

The REPEATER menu option (page 49) allows you to transmit to a repeater while in Frequency Mode. If you are tuned to a GMRS receive frequency that is valid for repeater use and turn the REPEATER menu option ON, the KG-935G will transmit to the repeater input frequency when PTT is pressed. The REPEATER menu option is ignored when the radio is not tuned to one of the 8 GMRS repeater transmit frequencies.

Channel Scan

The [*SCAN] key controls the scan function. To activate Channel Scan, press and hold

Function: Allows you to adjust the steps between frequencies. Available only in Frequency mode.
Options: 2.5K/5K/6.25K/10K/12.5K/25K/50K/100K
Default: 5K

[24: ROGER] Roger Beep

Function: Enables an audible roger beep prompt during transmission.
Options: OFF/BOT/EOT/BOTH
Default: OFF
BOT: Sets the roger beep prompt at the beginning of transmission
EOT: Sets the roger beep at the end of transmission
BOTH: Sets the roger beep at the beginning and end of transmission

[25: TOT] Transmit Overtime Timer

Function: When the transmission time exceeds the time set by the Transmit Overtime Timer, the unit will emit an error prompt and stop transmitting.
Options: 15-900 seconds (15 second increments)
Default: 60 seconds

Function: Scans the incoming signal for CTCSS or DCS tones to identify or confirm the correct tone. This function must be activated while receiving a signal.
Options: 1. CTCSS/2. DCS
Default: None. Choose the function and press [MENU] to activate the scan.
Note: The scan will stop when the signal ends and resume from where it left off the next time the signal is received, until it identifies the correct tone. Use the [UP]/[DOWN] arrow keys to scan in a different direction.

[22: TONE-SAVE] CTCSS/DCS Tone Save Options

Function: This item determines how a CTCSS or DCS tone is saved to a channel after a CTCSS/DCS scan.
Options: RX/TX/ALL
Default: RX
RX: Saves the scanned tone to the RX-CTCSS/DCS setting
TX: Saves the scanned tone to the TX-CTCSS/DCS setting.
ALL: Saves the scanned tone to both.

[23: STEP] Frequency Step

the [*SCAN] key for two seconds or until you hear "Scan Begin". The radio will scan each channel for activity, starting from the current channel.

Pressing the [UP] / [DOWN] keys while scanning will change the direction of the scan from low to high ([UP]) or high to low ([DOWN]). Press any other key to stop the scan. Refer to the Scan Mode menu item (page 53) for more information on the types of scans available.

The scan function can also be assigned to the PF1 or PF2 buttons from the menu (page 59).

Priority Channel Scan

The KG-935G supports Priority Channel Scanning. With this feature a priority channel can be specified that is scanned much more frequently than other channels. This helps prevent missing all or part of a transmission when you are primarily concerned with a single channel.

Priority Channel Scanning works by scanning your priority channel in between all other channels. For example, if your priority channel is 3 the radio would scan your channel list in the following order:

1 ▸ 3 ▸ 2 ▸ 3 ▸ 3 ▸ 3 ▸ 4 ▸ 3 ▸ 5 ▸ 3 ▸ ...

To set a priority channel, use the Priority Channel menu item (page 55). To activate the Priority Channel Scanning feature, use the Priority Scan menu item (page 54). Individual channels can be added or removed from the scan list using the Scan Add menu option (page 55).

Scanning CTCSS / DCS Codes

The KG-935G is equipped with the ability to scan an incoming signal for a CTCSS or DCS tone and update the current channel's tone settings once the tone is identified.

To activate CTCSS / DCS scan, press the [MENU] key and navigate to the TONE-SCAN menu item. Press [MENU] again to enter the menu item and you will see "SEEK QT" on the screen.

The scan will begin when a signal is received. The scan will stop when the signal ends and resume from where it left off the next time the signal is received, until it identifies

---

will be scanned more frequently. Read the "Channel Scan" section on page 32 to learn more.

Options: ON/OFF
Default: OFF

[19: PRI-CH] Priority Channel

Function: Selects the priority channel. This is used during scanning when the Priority Scan (menu option 18) feature is enabled. To select a priority channel, use the [UP] and [DOWN] keys to select a channel number.

Options: 999 channels
Default: CH: 01

[20: SCAN-ADD] Scan Add / Delete

Function: Add or remove a channel to/from the list of channels to scan.

Options: ON/OFF
Default: ON

[21: TONE-SCAN] CTCSS/DCS Scanning

nel where the signal was detected.

[16: SCANGRP-A] Scan Group A

Function: Allows selection of a specific channel group in Area A for scan, or all groups. When a group number is selected, only channels in that group will be scanned when the Scan feature is activated.
Options: ALL/1-10
Default: ALL

[17: SCANGRP-B] Scan Group B

Function: Allows selection of a specific channel group in Area B for scan, or all groups. When a group number is selected, only channels in that group will be scanned when the Scan feature is activated.
Options: ALL/1-10
Default: ALL

[18: PRI-SCAN] Priority Scan

Function: Activates scanning of the Priority Channel. During scan, the priority channel

the correct tone. Use the [UP]/[DOWN] arrow keys to scan in a different direction. Use the [PF2] side key to toggle between scanning the standard CTCSS, positive DCS, and negative DCS tone list. See the TONE-SCAN menu item (page 55) for more information.

Key Lock

The buttons on the KG-935G can be locked to prevent them from being accidentally pressed. When the Key Lock is enabled, all buttons except the [*LOCK] and PTT keys will be disabled. The Channel knob will also be disabled.

To activate the Key Lock, press and hold the [#LOCK] key for two seconds. The key icon will appear at the top of the display. The buttons are now disabled.

To disable the Key Lock, press and hold the [#LOCK] key for two seconds. The key icon will disappear from the top of the display. The buttons should now be enabled.

Stopwatch Timer

The KG-935G has a built-in stopwatch timer. It can be enabled using the TIMER menu option (page 68). Once enabled, Press [#LOCK] on the radio to activate the stopwatch. Press any key or turn the channel knob to stop the timer. When stopped, press [#LOCK] to clear and restart the timer, or press any key to deactivate the stopwatch and return to standby mode.

The timer will stop and the radio will exit timer mode if a signal is received on an active channel.

NOAA Weather Mode

NOAA Weather Mode allows you to quickly access weather information from a local NOAA broadcast station.

To activate NOAA Weather Mode, hold down the [BAND] key for 2 seconds. The display will change to show a NOAA broadcast station frequency starting with 162 MHz and a rain cloud icon will appear above it to indicate the radio is in Weather Mode. Use the Channel/Frequency Knob or the arrow keys to navigate to your preferred NOAA station. Your most recently selected station will be remembered each time you enter this mode.

[14: BACKLIGHT] Backlight Timeout

Function: Sets the timeout of the LCD display backlight while the radio is in standby. The timer can be set from 1-20 seconds in one second increments. It can also be set to turn off immediately or always remain on.

Options: ALWAYS OFF/ALWAYS ON/1-20S
Default: 8 Seconds

[15: SCAN-MODE] Scan Mode

Function: Scan mode settings
Options: TO/CO/SE
Default: SE

TO: When a signal is detected, scanning stops. Scan will pause to wait for further activity and will then resume if no operation is carried out within 5 seconds. Pressing PTT will transmit on the currently selected channel.

CO: When a signal is detected, scanning stops and resumes immediately after the signal is lost. Pressing PTT will transmit on the currently selected channel.

SE: When a signal is detected, scanning stops. Pressing PTT will transmit on the chan-

[11: RX-DCS] Receive DCS Code

Function: Sets the receiving DCS code for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[12: TX-DCS] Transmit DCS Code

Function: Sets the transmitting DCS code for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.

Options: OFF/105 DCS+ Codes/105 DCS- Codes

Default: OFF

[13: THEME] LCD Mode

Function: Sets the theme of the LCD display to light or dark mode. There are 4 display options.

Options: BLACK-1/BLACK-2/WHITE-1/WHITE-2

Default: BLACK-2

A list of supported NOAA frequencies is included in the Technical Information chapter of this manual (page 83).

Weather Scan

Press the PTT or hold the [*SCAN] key for 2 seconds to scan all of the NOAA weather channels. The scan will stop when an active weather channel is found. Press any key to manually stop the scan. The weather scan is only available in Weather Mode.

Weather Alert

The KG-935G features a Weather Alert option (page 50). The Weather Alert monitors the currently selected weather frequency for a 1050Hz subaudible tone that indicates a weather warning or alert has been issued.

When the Weather Alert is enabled, the radio will scan a regular channel and then a weather channel. If Priority Channel Scan (page 54) is enabled, the radio will first scan a regular channel, then a weather channel, then the priority channel, in that order.

If the 1050Hz alert tone is detected, the radio will stop scanning and produce an alert.

Press the PTT to acknowledge the alert and the radio will activate the weather channel.

To exit Weather Mode, press and hold the [BAND] key for 2 seconds. The radio will return to the last channel or frequency accessed.

To locate the NOAA station closest to your location, visit the following site:

https://www.weather.gov/nwr/station_listing

Note

- Weather Mode is accessible on Area A only.
- While in Weather Mode the menu is not accessible and the radio will receive but not transmit on Area A.

Keypad Hotkeys

The keypad features hotkeys for faster access to the first nine menu options. When the radio is in MENU mode, press the desired hotkey to go directly to that option and

[08: BAT-SAVER] Battery Saver

Function: Activate the battery saver feature. When active, the radio will scan less frequently for signals, improving battery life.
Options: ON/OFF
Default: ON

[09: RX-CTCSS] Receive CTCSS Tone

Function: Sets the receiving CTCSS tone for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.
Options: OFF/50 CTCSS Tones
Default: OFF

[10: TX-CTCSS] Transmit CTCSS Tone

Function: Sets the transmitting CTCSS tone for the selected channel. Use the arrow keys to select your preferred code and then MENU to confirm.
Options: OFF/50 CTCSS Tones
Default: OFF

Function: Sets the brightness of the LCD display backlight while the radio is transmitting, receiving, or otherwise active. There are 10 brightness levels from lowest (1) to highest (10).

Options: 1-10

Default: 8

[06: BRT-STBY] Standby Backlight

Function: Sets the brightness of the LCD display backlight while the radio is in standby. There are 10 brightness levels from lowest (1) to highest (10). The backlight can also be turned off.

Options: OFF/1-10

Default: OFF

[07: WX-ALERT] Weather Alert

Function: Enables and disables the weather alert. Sets the alert for the currently active NOAA weather channel.

Options: ON/OFF

Default: OFF

---

press the UP / DOWN arrow keys to choose the desired setting. Press [MENU] to confirm, then press [EXIT] to save the setting and exit the menu.

Key	Hotkey	Function/Menu Item
1	SQL	Squelch menu function (page 48)
2	PWR	Output Power menu function (page 48)
3	W/N	Bandwidth menu function (page 49)
4	RPT	Repeater menu function (page 49)
5	BRT-A	Active Backlight menu function (page 49)
6	BRT-S	Standby Backlight menu function (page 50)
7	W-ALT	Weather Alert menu function (page 50)
8	SAVE	Battery Saver menu function (page 51)
9	CTCSS	Receive CTCSS Tone menu function (page 51)
0		

Note

For instant access to any menu option while in the menu, simply enter the number of the menu option into the keypad. This is a faster and more convenient method of locating a specific menu option than by using the [UP] and [DOWN] keys or the Channel Knob.

Keypad Function Keys

The keypad includes 9 function keys to perform specific operations on the radio, from accessing and navigating the menu to the control of various modes. The chart below lists the keys and what they do.

Key	Function
*SCAN	Short Press: Reverse Frequency (page 43) Long Press: Channel/Frequency Scan (page 32)

Options: HIGH/MID/LOW
Default: (Varies by channel)

[03: W/N] Bandwidth

Function: Sets the bandwidth for the current channel.
Options: WIDE/NARROW
Default: (Varies by channel)

[04: REPEATER] Repeater

Function: Sets the offset frequency for a repeater channel. When this option is activated the KG-935G will transmit to the repeater input frequency when the radio is tuned to a frequency that has a valid GMRS repeater offset. This option is only available in frequency mode and will be ignored on frequencies that do not have a GMRS repeater offset. The offset is fixed to 5.000 MHz.
Options: OFF/ON
Default: OFF

[05: BRT-ACTV] Active Backlight

[01: SQL] Squelch

Function: The squelch function mutes the speaker when no signal is detected. Adjusting the squelch sensitivity allows you to control how strong of a signal is required in order to unmute the speaker. Selecting a lower number will allow weaker signals to be heard, higher numbers require a stronger signal. Selecting [0] will unmute the speaker at all times. Squelch is set independently for each area.

Options: 0-9

Default: 5

[02: TX-POWER] Output Power

Function: Sets the transmit power of the radio. The radio has three power optons: Low (0.5W), Medium (4.5W) and High (5.5W). Wattage is approximate. Note, the transmit power for GMRS channels 8-14 are restricted by the FCC to 0.5 watts and can be used on low power only. The transmit power of channels 1-7 are limited to 5 watts and can be used on Low or Medium power only. The KG-935G will automatically adjust the power to the FCC limits.

Key	Function
#LOCK	Press 2 seconds to lock/unlock keypad (page 35)
MENU	Enter menu, select options and save to the radio
EXIT	Exit the menu or cancel a function
BAND	Short Press: Switches primary and secondary areas (page 26) Long Press: Weather Mode (page36)
MODE	Switches Channel and Frequency Modes (page 27)
TDR	Switches between single and dual display (page 26)
UP	Goes to the next channel, frequency or menu item
DOWN	Goes to the previous channel, frequency or menu item

Side Key Functions

The KG-935G has two programmable keys [PF1] and [PF2]. These keys are located on the left side of the radio below the PTT key. Each key can perform two different functions, one activated with a short press and one with a long press. These functions can be assigned to the [PF1] or [PF2] buttons from the menu (page 59). They can also be assigned via the programming software.

Short Press	Long Press	Function	Description
X	X	UNDEF	Undefined - Key not assigned
X	X	BRT	Activate backlight (page 49)
X	X	DCS-SCAN	Scan for DCS code (page 55)
X	X	CTC-SCAN	Scan for CTCSS tone (page 55)
X	X	REVERSE	Activate reverse frequency (page 43)
X	X	TALK-A	Activate talkaround (page 43)
X	X	WEATHER	Activate Weather Mode (page 36)
X	X	STROBE	Activate flashing strobe light (p 45)
X	X	MONI	Monitor channel (page 47)
X	X	RADIO	Activate FM Radio (page 46)
X	X	SOS	Transmit SOS (page 44)

---

menu option (page 69).

Monitor

The MONI function opens squelch on the currently active area allowing you to listen to all traffic on the current frequency. This is useful for listening for weak transmissions. To use the MONI function, it must first be assigned to the [PF1] or [PF2] key (pp. 59-61).

programming software.

Secondary Frequency PTT

The KG-935G features an alternative push-to-talk (PTT) button that transmits on the secondary area. For example, if Area A is primary, using the alternative PTT will transmit on Area B. This is useful when monitoring traffic on two separate channels and you want to transmit on both without having to change the primary channel. The secondary frequency PTT function [FRQ2-PTT] can be assigned to a long press of the PF1 or PF2 buttons from the menu (pp. 59-61) or through the programming software.

FM Radio

The KG-935G features a 76.02-108MHz commercial broadcast FM Radio. To access the FM Radio, it must first be assigned to the [PF1] or [PF2] key (pp. 59-61). When active, the current FM radio frequency will appear near the top of the display above Area A. To find an active broadcast station, press [*SCAN] to begin the FM Radio scanning function. Press any key to stop the scan.

Up to 20 FM radios stations can be stored on the radio using the [RADIO-MEM]

Short Press	Long Press	Function	Description
X	X	ALARM	Transmit alarm (page 44)
X	X	FLASHLIGHT	Activate flashlight (page 45)
X	X	SCAN	Activate channel scan (page 32)
	X	SELE CALL	Selective Call (page 45)
	X	FRQ2-PTT	Secondary frequency PTT (page 46)

Talk Around

The Talk Around function allows the radio to transmit and receive on the output frequency of a repeater, essentially letting you bypass the repeater. This feature is useful when the repeater is nearly out of range, is not operational, or if you are in range of other stations and would prefer to contact them via simplex. The Talk Around function can be assigned to the PF1 or PF2 buttons from the menu (pp. 59-61).

Reverse Frequency

When Reverse Frequency is activated, the transmit and receive frequencies of the active channel are exchanged or reversed, allowing the radio to transmit on the receive frequency and receive on the transmit frequency. This feature is useful for checking if you are within simplex range of other units before activating Talk Around.

Press the [*SCAN] key on the active channel to activate or deactivate this feature. When activated, an "R" icon will appear above the channel name, frequency or number. The Reverse Frequency function can also be assigned to the PF1 or PF2 buttons from the menu (pp. 59-61). Available in Channel Modes only.

SOS

The radio can transmit an SOS alarm to other stations on the same channel. When SOS is activated, the radio will emit an oscillating alarm. After 2 seconds, the radio will transmit the alarm. To activate the SOS function, it must first be assigned to the [PF1] or [PF2] key (pp. 59-61).

Alarm

The radio features an alarm function with an ANI ID code. When activated, the radio will emit an oscillating alarm and transmit an ANI ID code plus the numbers "110" on the active channel for 10 seconds. After 5 minutes, the alarm will repeat. Press any key to deactivate the alarm. To activate the alarm function, it must first be assigned to the [PF1] or [PF2] key (pp. 59-61).

Flashlight/Strobe

The KG-935G has a built-in LED flashlight at the top of the radio. It can operate in two modes. [FLASHLIGHT] provides steady illumination. [STROBE] functions as a flashing strobe light. To access one or both of these features, they must first be assigned to the [PF1] or [PF2] key (pp. 59-61).

Selective Call

This function allows you to send a call to a specific calling group. When Select Call is assigned to one of the programmable keys, pressing the key will automatically transmit the pre-programmed PTT-ID of the select group so you don't have to key it into your keypad manually when you begin to transmit. Call groups are set in the [CALL-CODE] menu option (page 67). The selective call function [SELEC CALL] can be assigned to the PF1 or PF2 buttons from the menu (pp. 59-61) or through the